WHAT IS YOUR DATA LOGGER TELLING YOU? OH THE STORIES IT CAN TELL!

No	Date (MM/dd/yyyy)	Events	Average Temps	Lower Alarm Limit					Upper alarm limit					Ext sensor connection error			Signature/notes Action taken
				Status	Min Temp	Duration Out of Range	Alarm Trigger Time	Alarm Ambient Temp	Status	Max Temp	Duration Out of Range	Alarm Trigger Time	Alarm ambient Temp	Status	Duration	Alarm Trigger Time	
1	Today	am	+5.6c	In progress	+5.0c	0min			In progress	+6.4c	0min			In progress	0min		
2	02/15/2015	am,pm	+5.7c	ok	+4.9c	0min			ok	+6.7c	0min			ok	0min		
3	02/14/2015	am,pm	+6.0c	ok	+5.3c	0min			ok	+7.1c	0min			ok	0min		
4	02/13/2015	am,pm	+5.0c	ok	+4.4c	0min			ok	+6.7c	0min			ok	0min		
5	02/12/2015	am,pm	+5.4c	ok	+4.6c	0min			ok	+6.4c	0min			ok	0min		
6	02/12/2015	am,pm	+5.8c	ok	+5.0c	0min			ok	+7.1c	0min			ok	0min		

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18)

IMPORTANT SET UP AND DAILY EVENTS

1. **No**-The number of readings with 1 being the current day report was run
2. **Date**- Must be set in correct format Month/Day/Year
3. **Events**- Indication that the Minimum and Maximum temps have been checked (morning check is a requirement, end of day recommended)
4. **Average Temp**- Overall average temperature for 24 hours

LOWER ALARM LIMIT- TOO COLD! BELOW 2°C FOR MORE THAN 15 MINUTES*

5. **Status**- ok means just that- all is ok
6. **Min Temp**- The coldest the unit has gotten in 24 hours
7. **Duration out of range**- How long was the temp below 2° during last 24 hours
8. **Alarm trigger time**- If alarm is triggered this is the time it went off "after" out of range for 15 minutes (*see alarm limits)
9. **Alarm ambient temp**- Indicates what the ambient air temperature was in the room at the time of the alarm

UPPER ALARM LIMIT- TOO WARM! ABOVE 8°C FOR MORE THAN I HOUR*

10. **Status**- ok means just that- all is ok
11. **Max Temp**- The warmest the unit has gotten in 24 hours
12. **Duration out of range**- How long was the temp above 8°c during last 24 hours
13. **Alarm trigger time**- If alarm is triggered this is the time it went off "after" being out of range for 1 hour (*see alarm limits)
14. **Alarm ambient temp**- Indicates what the ambient air temperature was in the room at the time of the alarm

EXT SENSOR CONNECTION ERROR- BE SURE SECURELY CONNECTED!

15. **Status**- ok means just that- all is ok. Probe is correctly connected to the data logger
16. **Duration**- If not connected properly- how long it has been disconnected
17. **Alarm trigger time**- If alarm is triggered this is the time it went off "after" probe has been disconnected for more than 10 minutes

COMMUNICATION IS IMPORTANT

18. Use this area to communicate notes to self or NHIP

ALARM EXAMPLES AND DATA LOGGER DISPLAY EXPLANATION ON REVERSE SIDE

REFRIGERATOR
Upper Alarm limit: **Above +8.0c for 1h**
Lower alarm limit: **Below +2.0c for 15min**

FREEZER
Upper Alarm limit: **Above -15.0c for 1h**
Lower alarm limit: **Below -30.0c for 23h 59min**

No	Date (MM/dd/yyyy)	Events	Average Temps
1	Today		+5.2c
2	15/02/2015		+5.7
3	14/02/2015		+4.4c
4	13/02/2015		+4.8c
5	12/02/2015	am	+4.0c
6	11/02/2015	am	+4.7c

Date is incorrect. Should read MM/DD/YYYY

Minimum & Maximum Temperatures not being taken. This should be done every morning and documented on paper temp log.

Lower Alarm Limit

Status	Min Temp	Duration Out of Range	Alarm Trigger Time	Alarm Ambient Temp
In progress	-3.0c	1d	00:00	+22.6c
ALARM	-1.4c	1d	00:00	+22.4c
ALARM	+0.4c	9h 14mins	02:15	+23.0c
ALARM	+1.2c	2h 15min	13:41h	+22.6c
ok	+1.6c	1h 53min		
ok	+2.6	0min		

ALARM!!!

Temperatures are too cold! Temps gradually got colder but no action was taken. Most of the vaccine in this storage unit has been compromised and cannot be used.
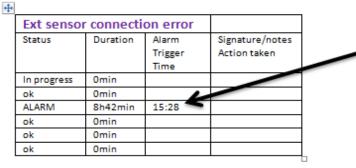
Upper alarm limit

Status	Max Temp	Duration Out of Range	Alarm Trigger Time	Alarm ambient Temp
In progress	+6.4c	0min		
ok	+6.5	0min		
ALARM	+11.7	9h 29mins	12:02h	+24.2c
ok	+6.5	0min		
ok	+6.8C	0min		
ok	+7.1c	0min		

ALARM!!!

Temperatures are too warm! Because this is a single event with an out of character temperature, it is possible that this alarm was caused by the door of the unit left ajar! Vaccines may be compromised.

ALARMS MEAN TAKE IMMEDIATE ACTION!

Secure vaccine in the unit until viability is determined. **NEVER** give vaccines when in doubt!

Ext sensor connection error

Status	Duration	Alarm Trigger Time	Signature/notes Action taken
In progress	0min		
ok	0min		
ALARM	8h42min	15:28	
ok	0min		
ok	0min		
ok	0min		

Probe is not securely set into data logger device. Remember to listen for the "click". When downloading reports there is a 10 minute limit before it alarms, be aware of time spent on the process.

Display explanation

1. OK (✓) or Alarm (X) indicator
2. HIGH / LOW alarm indicators showing history of the last 30 days
3. Power on indicator (double point is flashing)
4. Battery low indicator (approx. up to 1 month remaining)
5. Additional warning symbol (indicates when a new alarm was observed, will disappear after checking details)
6. Time, duration and text indicator
7. Date and text indicator
8. Indicator of measured minimum / maximum temperature
9. Temperature display
10. Indicator of the temperature measurement unit (°F / °C)
11. Indicator of activated sensor:
    Int. = internal sensor (inside the Fridge-tag® 2)
    Ext.= external sensor (cable with temperature sensor)